

Abstract

1 A method of defining such a storage format in multiple data storage
2 devices, each data storage device having a plurality of storage media and a
3 plurality of corresponding data transducer heads, each transducer head for
4 recording on and playback of information from a corresponding storage medium
5 in at least one zone, wherein each zone includes a plurality of concentric tracks
6 for recording on and playback of information. The method includes the steps of:
7 selecting a plurality of said data storage devices; for each selected data storage
8 device, measuring a record/playback performance capability of each head at one
9 or more read/write frequencies per zone; based on said performance capability
10 measurements, generating storage density distributions corresponding to at least
11 a number of the heads in said selected data storage devices; selecting a group of
12 read/write frequencies for said multiple data storage devices, two or more
13 frequencies for each zone, based on said storage density distributions; and
14 assigning one of said read/write frequencies to each head based on performance
15 capability of that head.

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